

REFERENCES

- Allgood, G., R. Ferrell, and S. Kerchel. *Concept Definition of Traffic Flow Wide-Area Surveillance (Draft)*. Oak Ridge National Laboratory. Tennessee. (No date).
- Arkansas State Highway and Transportation Department (ASHTD). *Automated Traffic/Truck Weight Monitoring Equipment (Weigh-in-Motion)*. DTFH71-89-AR-26. March, 1992.
- Barker, J.L. *Radar, Acoustic, and Magnetic Vehicle Detectors*. *IEEE Trans. on Veh Tech.*, Vol. VT-19, No.1 (1970): 30-43.
- California Department of Public Works. *Los Angeles Area Freeway Surveillance and Control Project*. Third Annual Report. Sacramento, California, 1973.
- California Polytechnic State University. *Advanced Imaging Systems for Traffic Surveillance and Automated Detection*. Electrical Engineering Department. San Luis Obispo, California, December 12, 1994.
- Cebon, D., and C.B. Winkler. *Multiple-Sensor Weigh-in-Motion: Theory and Experience*. Transportation Research Record 1311. Transportation Research Board, Washington, D.C., 1991.
- Centennial Engineering, Inc. *Communication System Conceptual Plan for Colorado DOT*. February, 1994.
- Center for Urban Transportation Research (CUTR). *Automatic Vehicle Location for Measurement of Corridor Level-of-Service: The Miami Method*. College of Engineering, University of South Florida, Florida. September, 1994.
- CH2M Hill. *Idaho Storm Warning System IVHS Operational Test - Project No. NH-9376 –Evaluation Plan*. Boise, Idaho. October, 1993.
- Chand, S.L. *Laser Optics Open-Air Communication System*. IVHS-IDEA Project 8, 1994.

Cimento, A.A. Traffic Control Systems Hardware. IEEE Trans. on Veh Tech., Vol. VT-29, No. 2 (1980): 106-124.

Cole, D.J., et. al. *A Capacitive Strip Sensor for Measuring Dynamic Tire Forces*. Cambridge University, U.K. (No date).

Colmenares, N. J. *IEEE Spectrum*. May, 1994.

Cunigan, W.D., and D.J. Vitello. *Development of an Overhead Vehicle Sensor System*. Transportation Research Record 1200, Transportation Research Board, 1987.

Cunigan, W.D., S.O. Majdi, and H.Y. Yeom. *Development of Low Cost Piezoelectric film WIM system. Final Report*. Texas Transportation Institute. Texas Department of Transportation TX 93/1220-1F, Research Report 1220-1F, October, 1991.

Cypers, L., R. Tegenbos, and F. Lemaire. *Image Processing Techniques for Traffic Surveillance on the Antwerp Ring Motorway (Belgium) as Part of the Euro-Triangle Project. Proceedings of the First World Congress on ATT & IVHS*, November 30 - December 3, 1994, Paris, France.

Davies, P, and Ayland, N. *New Developments in Weigh in Motion*. Technical Paper 851454. Society of Automotive Engineers, 1985.

Daviet B., J.L. Attia, and G. Fremont, *Automatic Incident Detection through Video Picture Analysis*, ESCOTA, AREA, and CONFIRROUTE (pp 2809-2814)- FRANCE

Daviet, B., J.L. Attia, and G. Fremont. *Automatic Incident Detection (DAI) Through Video Picture Analysis. Proceedings of the First World Congress on ATT & IVHS*, November 30 –December 3, 1994, Paris, France.

Donaldson, G.S. Montgomery County, Maryland' s Aerial Surveillance Program. Montgomery County DOT. January, 1994.

Duckworth, G.L., et. al. *A Comparative Study of Traffic Monitoring Sensors. Proceedings of the IVHS America 1994 Annual Meeting*, Atlanta, Georgia, April 17-20, 1994.

Echigo, T. *Relative Velocity Detector for Vehicles Traveling in Other Lanes. Proceedings of the First World Congress on ATT & IVHS*, November 30 - December 3, 1994, Paris, France.

Federal Highway Administration, *Communications Handbook for Traffic Control Systems*. Publication No. FHWA-SA-93-052, April, 1993.

Federal Highway Administration, *Traffic Detector Handbook*. Publication No. FHWA-IP-90-002, July, 1990.

Federal Highway Administration. *Wide Area Detection System: Image Recognition Algorithms*. FHWA-RD-89-171. Springfield, VA: National Technical Information Service, 1990.

Federal Transit Administration. *Advanced Public Transportation Systems: The State of the Art, Update '94*. DOT-T-94-09. Washington, D.C., 1994.

Furusawa, H., T. Nakamura, and H. Taniguchi. *A Vehicle Image Detector for Traffic Control and Information. Proceedings of the First World Congress on ATT & IVHS*, November 30 – December 3, 1994, Paris, France.

Gustavson, R.L., and R.A. Olson. *Laser-Based Vehicle Detector/Classifier. Emerging Concepts and Products for Intelligent Transportation Systems*. IVHS-IDEA Progress Report 1. Transportation Research Board, September, 1994.

Hockaday, S. *Evaluation of Image Processing Technology for Applications in Highway Operation*, California Polytechnic State University, June, 1991.

Hoose, N. *Development and implementations of the /MPACTS Traffic image Processing System*). *Proceedings of the First World Congress on ATT & IVHS*, pp 1277-1284, November 30 - December 3, 1994, Paris, France.

Howard/Stein-Hudson Associates, Inc. *I-95 Corridor Coalition Strategic Plan: Draft Summary of Telephone Interview Results*. October 1994.

Hughes Aircraft Co. *Development of IVHS Traffic Parameter Specifications- Task A Report for Detection Technology for IVHS (Draft)*. FHWA Contract No. DTFHGI-91 C-00076, May, 1994.

Hughes Aircraft Co. *Select and Obtain Vehicle Detectors - Task D Report for Detection Technology for IVHS (Draft)*. FHWA Contract No. DTFHGI-91 C-0076, September, 1992.

Hughes Aircraft Co. *Vehicle Detector field Test Specifications and Field Test Plan - Task F Report for Detection Technology for IVHS (Draft)*. FHWA Contract No. DTFH61-91 C-00076, January, 1994.

Hurn, J. *Differential GPS Explained*. Trimble Navigation, Ltd. Sunnyvale, California 1993.

Hurn, J. *GPS: A Guide to the Next Utility*. Trimble Navigation, Ltd. Sunnyvale, California 1989.

Inigo, Rafael M. *Application of Machine Vision to Traffic Monitoring and Control*. *IEEE Transactions on Vehicular Technology*, Vol. 38, No. 3 (1989): 112-122.

Institute of Transportation Engineers, *1992 Japan IVHS Study Tour -- Final Report*. Washington, D.C., 1993.

Institute of Transportation Engineers, ITE Participants Report: *IVHS European Study Tour*. Washington, D.C., October 28 November, 1991.

JHK and Associates, *VENTURE Washington, IVHS Strategic Plan for Washington*, November 1993.

Kelley, J.R. *Road Weather Information Systems (RWIS) for IVHS Applications and Improved Maintenance Procedures*. *Proceedings of the IVHS America 1994 Annual Meeting*, Atlanta, Georgia, April 17-20, 1994.

Koyama, Y., M. Imaizumi, T. Takaku, K. Hirasawa, and T. Hiramoto. *Optical Vehicle Detector Using Range Finding Method. Proceedings of the First World Congress on ATT & IVHS* , pp 110-126, November 30 - December 3, 1994, Paris, France.

Lion, D. *Radar for Automatic Incident Detection and Traffic Analysis: The Beatrics Sensors. Proceedings of the First World Congress on ATT & IVHS* , November 30 - December 3, 1994, Paris, France.

Loral Team. *Task 2 Working Paper, Existing Surveillance Systems Survey*, I-95 Corridor Coalition. November 21, 1994.

MacCarley, C.A.; D. Need, and R. Nieman. Video Cameras for Roadway Surveillance: Technology Review, Test Methods and Results, Transportation Research Board, 72nd Annual Meeting, Paper #930841, January, 1993.

Mamlouk, M.S. *Rational Look at Trick Axle Weight*. Transportation Research Record 1307. Transportation Research Board, Washington, D.C., 1991.

Mauritz, M.R., and W.W. Stoeckert. *Speed-Based Traffic Monitoring: Connecticut's Experience with Radar Detectors. Proceedings of the IVHS America 1994 Annual Meeting* , Atlanta, Georgia, April 17-20, 1994.

Moore, R.C., et. al. *Dynamic Axle and Vehicle Weight Measurements: Weigh in Motion Equipment Trials*. Transport and Research Laboratory, U.K. (No date).

Moralee, D. *Pressure-sensitive Cable for Many Applications*. Engineering Digest, December, 1988.

Morris, D.J., and F.R. Hulsher. *Loop Configurations of Vehicle Detectors*. Department of Main Roads, New South Wales, 1978.

Rockwell International Corporation. *Early Deployment of ATMS/AYIS For Metropolitan Detroit. Final Report submitted to the Michigan Department of Transportation*, February 1994.

Rockwell International. *FAST-TRAC Phase I/A, Preliminary Engineering Planning Report*, Section Four. September, 1993.

Safaai-Jazi, A., S.A. Ardekani, and M. Mehdikhani. *Low-Cost Fiber Optic Weigh-in-Motion*. Virginia Polytechnic Institute and State University. SHRP-IDEAAJFR-90-002, Nov. 1990, 72p.

Sebaaly, P.E., T. Chizewick, G. Wass, and W. Cunigan. *Methodology for Processing, Analyzing, and Storing Truck Weigh-in-Motion Data*. Transportation Research Record 1311. Transportation Research Board, Washington, D.C., 1991.

Singleton, M., and J.E. Ward. *A Comparative Study of Various Types of Vehicle Detectors*. Final Report, Massachusetts Inst. of Tech., Electronic Systems Lab., (No date).

Skolnik, M.L. *Introduction to Radar Systems*. McGraw-Hill, 1980

Stallings, W. *Data and Computer Communication*. MacMillan, 1985.

Stern, S. *Traffic Flow Data Acquisition Using Magnetic-loop Vehicle Detectors*. Highway Research Record 154, pp 38-52, Highway Research Board, (No date).

Stewart, P.M. *Vehicle Detectors*. 12th Australian Road Research Board Conference , pp 195 207, 1984.

Stewart, P.M., *New Sensors for Axle Detection and Weigh-in Motion*. Latrobe University, Australia (No date).

Stoneman, B.G., *Dynamic Axle and Vehicle Weight Measurements*. Transport and Research Laboratory, U.K. (No date).

Sumi, H., H. Takahashi, and N. Kiryu. *Method of Measuring Travel Time by Using Ultrasonic Vehicle Classifiers*, 1988.

Sunachi, Y., and M. Imaizumi. *Reflecting Type Optical Vehicle Sensor. Proceedings of the First World Congress on ATT & IVHS*, pp 2619-2625, November 30 - December 3, 1994, Paris, France.

Sunachi, Y., *Reflecting Type Optical Vehicle Sensor*, Proceedings of the World IVHS Conference, Paris, 1994.

Taylor, K.L., et. al. *Vehicle Detection*, Institute of Highways and Transportation, 1987.

Teral, Stephane. *Fiber Optics in Active Traffic Management Systems. Proceedings of the First World Congress on ATT & IVHS*, November 30 - December 3, 1994, Paris, France.

Thillainath, S.J., and R.G. Hood. *An improved Method of CULWAY Calibration*. 15th ARRB Conference, Darwin, Northern Territory, 26-31 August 1990.

U.S. Department of Transportation (DOT). *Intelligent Vehicle Highway Systems Projects*. March, 1994.

Underwood, Steven E. *A Review and Classification of Sensors for IVHS*. FHWA Report DTFH61-89-P-00827. University of Michigan, 1990.

University of Florida, *A State of the Art for intelligent Vehicle-Highway Systems in Florida*. Transportation Research Center, Gainesville, Florida, 1992.

Urban Engineers, Inc. *The Mobile Satellite Communications Platform for Incident Management*, 1994.

Washington State Transportation Policy Plan, *Subcommittee on Public-Private Partnerships, (Privatization) in Transportation*, Final Report, August, 1992.

Weinberg, M.I., N.J. Deleys, and R.F. Schneeberger. *Surveillance Methods and Means of Communicating with Drivers*. NCHRP Report 28. Highway Research Board, Washington, D.C., 1966.

Whitney, D.A. *AutoAlert: Automated Acoustic Detection of Traffic. Emerging Concepts and Products for Intelligent Transportation Systems*. IVHS-IDEA Progress Report 1. Transportation Research Board, September, 1994.